

The Usability of CK-12 Application in Teaching and Learning in 21st Century for Topic Statistics Among Form 4 Students in USJ, Subang Jaya.

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- **Abstract:** This study aims to determine the usability of CK-12 application in 21st century learning for topic Statistics, among the form 4 students in USJ, Subang Jaya. Specifically, the objectives of this study are to identify the level of competence, level of satisfaction and level of feasibility of CK-12 application in 21st century learning for topic Statistics among form 4 students in USJ, Subang Jaya. Quantitative approach with descriptive survey were used for this study. A number of 300 form 4 students from five different schools in USJ, Subang Jaya were chosen as research samples using random sampling method. Research instrument used is a set of questionnaires with 30 questions on the level of competence, satisfaction and feasibility of CK-12 application for the topic of Statistics form 4. The data collected were analyzed using Statistical Package for Social Science (SPSS) version 23.0 to obtain the value of percentage, mean and standard deviation. Mean scores and standard deviations were used to determine the level of competence, satisfaction and feasibility of CK-12 application for the topic of Statistics form 4. Research findings shows that mean value for the level of competence, satisfaction and feasibility of CK-12 application for the topic of Statistics form 4 is high with 4.20, 4.22 and 4.19 respectively. The result shows mean value for usability of CK-12 application in 21st century learning for the topic Statistics form 4 is 4.20 which also indicates a high level. As a conclusion the study shows that CK-12 application in 21st century learning for topic Statistics among form 4 students in USJ, Subang Jaya has high level of usability.
- **Keywords:** Statistical Package, Social Science, sampling method